JET Meeting Minutes
June 17, 2008

I. Participants

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Action Items
1. If you are interested in StarLight support for a demonstration at the early October GLIF meeting in Seattle, please contact Alan Verlo at: darkman@evl.uic.edu

2. Grant Miller will send a message to the JET to provide inputs on developing a position paper on smoothing the IPv4 to IPv6 transition

3. Grant Miller will ask the JET organizations if they wish to participate in the IPv6 survey.

Proceedings
      This meeting of the JET was coordinated by Paul Love of the NCO.

NANOG Security Policies
      Joe Mambretti identified a number of NANOG security policies. He will continue to monitor those policies.

Network and Exchange Point Roundtable

ESnet
      ESnet is creating a sub-hub in Las Vegas. They are placing a router in NAP4 in the Switch2Switch facility. They are increasing the bandwidth between Chicago and

Equinox to 1 Gb. ESnet has ordered the Science Data Network equipments from Juniper. They expect to create the operational network in the next 8-9 months. The DOE backbone network has enabled v6 and it is being used internally for email traffic.

Internet2Net

Internet2Net has completed its Core Director optical node in Charlotte. They are running circuits to Atlanta and Washington, DC. One span of Internet2Net has completed an Infinera upgrade and the plans for upgrading the remaining Internet2Net have been developed. No problems were encountered with the upgrade of the initial span.

Internet2Net has implemented IPv6 over its entire backbone in dual-stack mode. The Internet2 organization is considering making their Web server available over v6.

NISN

NISN has made IPv6 available internally and offers v6 to external services. They have also enabled v6 on IPerf boxes. Their initial external v6 peering is with DREN; via static routes to begin with. An issue with SNORT v6 capability was resolved. NISN is implementing static route v6 between two NASA Centers, Eglin Air Force Base and Marshall Space Flight Center. NISN has requested v6 peering with Internet2Net.

NISN is working on TIC implementation. NASA submitted responses to TIC requirements ere over 90 percent compliant for management and security. NASA is planning for a total of 5 TICs for the agency.

In the overall TIC implementation several agencies will serve as TIC centers for multiple agencies and 17 agencies expect to support single-agency access.

NREN

NREN has been dual-stack IPv6 for quite sometime. It has several external v6 peerings. Ames Research Center is working on making the supercomputer center, users, and nodes IPv6 accessible.

TransPac

TransPac is operating smoothly.

ManLan

ManLan is upgrading its Nortel HDXc equipment imminently. It will enable additional tool development. The Global Crossing 10G circuit to Europe is being replaced with a Level3 circuit. This will be done with a hot cut on 21 July. ManLan currently supports IPv6.

StarLight

StarLight supported an astronomy demonstration between Arecibo and the TERENA conference in Bruges, Belgium. StarLight is working with JGN in Japan on a joint project. StarLight has implemented v6 capability, is currently supporting three v6 peerings, and is open to new peerings.

AI: If you are interested in StarLight support for a demonstration at the early October GLIF meeting in Seattle, please contact Alan Verlo at: darkman@evl.uic.edu

IPv6 Deployment
The LSN is interested in developing a position paper on the IPv4 to IPv6 transition to foster the development of a smooth process for the transition. Several papers have been presented recently on the need for a smooth IPv4 to IPv6 transition including:
- OECD: Internet Address Space: Economic Considerations in the Management of IPv4 and in the Deployment of IPv6, June, 2008
- IETF White Paper: John Curran IPv6 Transition Phases: http://tools.ietf.org/pdf/draft-jcurran-v6transitionplan-03.pdf

AI: Grant Miller will send a message to the JET to provide inputs on developing a position paper on smoothing the IPv4 to IPv6 transition.

IPv6 Status Web Page
Mark Prior has developed a Web page: **www.mrp.net/Internet2_IPv6_Survey.html** indicating the status of organizations and networks to support IPv6 email, Web, DNS, and XMPP.

AI: Grant Miller will ask the JET organizations if they wish to participate in the IPv6 survey.

Federal Plan for Advanced Networking Research and Development
The Federal Plan for Advanced Networking Research and Development (ITFAN Plan) has been approved for release. A pre-print version of the document is available on the Web at: **http://www.nitrd.gov/ITFAN-preprint-061108.pdf**
The Plan identifies advanced networking research that could significantly enhance networking technology, security, and capabilities over the next 10 years. The Plan provides a basis for discussions at the Networking Research Challenges Workshop of September 28-30 in Seattle, Washington.

Meetings of interest

July 20-24 Joint Techs and ESCC, Lincoln, Nebraska
August, 2nd week: DREN Networkers Conference, San Diego, California
August, 2nd week: APAN Conference, New Zealand
August 24, NISN User's Conference, Chicago, Illinois
September 28-30 Networking Research Challenges Workshop, Seattle, Washington
October 1-2 GLIF Meeting, Seattle, Washington
October 13-16, Internet2 Member Meeting, New Orleans, Louisiana
November 15-21, SC08, Austin, Texas
December, 1st week: The Interworking Conference is being held in Miami Beach. Telcos and academic institutions will attend from the US, Latin American and Asian-Pacific communities

Future JET Meetings

July 21, 8:15PM CDT, Embassy Suites Hotel, Lincoln, Nebraska, concurrent with Joint Techs
August 19, 11:00-2:00, NSF, Room 1150